WHAT IS CLAIMED IS:

- An isolated polynucleotide comprising a member selected from the group consisting of:
- (a) a polynucleotide encoding the polypeptide as set forth in SEQ \ID NO:2;
- a polynucleotide encoding a mature (b) polypeptide encoded by the DNA contained in ATCC Deposit No.
- a polynucleotide capable of hybridizing to (c) and which is at least 70% identical to the polynucleotide of (a) or (b); and
- a polynucleotide fragment of the (d) polynucleotide of (a), (b) or (c).
- The polynucleotide of claim 1 wherein the 2. polynucleotide is DNA.
- A vector containing the DNA of Claim 2. 3.
- A host cell transformed or transfected with the vector of Claim 3.
- A process for producing a polypeptide comprising: 5. expressing from the host cell of Claim 4 the polypeptide encoded by said DNA.
- A process for producing cells capable of 6. expressing a polypeptide comprising transforming or transfecting the cells with the vector of Claim 3.
- A receptor polypeptide comprising a member 7. selected from the group consisting of:
- (i) a polypeptide having the deduced amino acid sequence of SEQ ID NO:2 and fragments, analogs and derivatives thereof; and

- Deposit No. 97/83 and fragments, analogs and derivatives of said polypeptide.
 - 8. The polypeptide of Claim 7 wherein the polypeptide has the deduced amino acid sequence of SEQ ID NO:2.
 - 9. An antibody against the polypeptide of claim 7 selected from the group consisting of an antibody which agonizes the activity of the polypeptide and an antibody which antagonizes the activity of the polypeptide.
 - 10. A compound which activates the polypeptide of claim 7.
 - 11. A compound which inhibits activation the polypeptide of claim 7.
 - 12. A method for the treatment of a patient having need to activate a G-protein chemokine receptor comprising: administering to the patient a therapeutically effective amount of the compound of claim 10.
 - 13. A method for the treatment of a patient having need to inhibit a G-protein chemokine receptor comprising: administering to the patient a therapeutically effective amount of the compound of claim 11.
 - 14. The method of claim 12 wherein said compound is a polypeptide and a therapeutically effective amount of the compound is administered by providing to the patient DNA encoding said agonist and expressing said agonist in vivo.

- The method of claim 13 wherein said compound is a polypeptide and a therapeutically effective amount of the compound is administered by providing to the patient DNA encoding said antagonist and expressing said antagonist in vivo.
- 16. A method for identifying compounds which bind to and activate the receptor polypeptide of claim 7 comprising:

contacting a cell expressing on the surface thereof the receptor polypeptide, said receptor being associated with a second component capable of providing a detectable signal in response to the binding of a compound to said receptor polypeptide, with a compound under conditions sufficient to permit binding of the compound to the receptor polypeptide; and

identifying if the compound is an effective agonist by detecting the signal produced by said second component.

17. A method for identifying compounds which bind to and inhibit activation the polypeptide of claim 7 comprising:

contacting a cell expressing on the surface thereof the receptor polypeptide, said receptor being associated with a second component capable of providing a detectable signal in response to the binding of a compound to said receptor polypeptide, with a compound to be screened under conditions to permit binding to the receptor polypeptide; and

determining whether the compound inhibits activation of the polypeptide by detecting the absence of a signal generated from the interaction of the ligand with the polypeptide.

A process for diagnosing a disease or a 18. susceptibility\to a disease related to an under-expression of the polypeptide of claim 7 comprising:

determining a mutation in the nucleic acid sequence encoding said polypeptide.

- The polypeptide of Claim 7 wherein the 19. polypeptide is a soluble fragment of the polypeptide and is capable of binding a ligand for the receptor.
- A diagnostic process comprising: 20. analyzing for the presence of the polypeptide of claim 19 in a sample derived from a host.